



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/715,140   | 11/18/2003  | Ken Hirasawa         | 024629-00004        | 1909             |
| 4372   | 7590        | 07/27/2005           | EXAMINER            |                  |
| ARENT FOX PLLC<br>1050 CONNECTICUT AVENUE, N.W.<br>SUITE 400<br>WASHINGTON, DC 20036 |             |                      | CHUNG, DANIEL J     |                  |
|  |             |                      | ART UNIT            | PAPER NUMBER     |
|  |             |                      | 2677                |                  |

DATE MAILED: 07/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/715,140

**Applicant(s)**

HIRASAWA ET AL.

**Examiner**

Daniel J. Chung

**Art Unit**

2672

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 01 July 2005.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 5 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 5 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

Claim 5 is presented for examination. Claims 1-4 have been cancelled by the amendment filed on 7-1-2005. This office action is in response to the amendment filed on 7-1-2005.

The objection to the drawing has been withdrawn because of amendment.

Applicants are reminded of the duty to disclose information under 37CFR 1.56.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Saito (6,018,352) in view of Nomizu (6,301,391), and further in view of Tong (US 2003/0088551).

Regarding claim 5, Saito discloses that the claimed feature of a drawing registration system comprising: a drawing creation means [i.e. "graphic input unit"; 11] for creating a parent drawing for a specified part (See step 201 in Fig 2); a drawing creation system database for correlating [i.e. "symmetry judging/processing unit"; 20-22]

and storing [i.e. "storage device"; 30] parent drawing, which was created by drawing creation means [11], and [ID information] for identifying part; an input means [i.e. "arrangement processing instructing unit"; 51] for inputting drawing related information [i.e. "graphic processing instruction"] that is related to parent drawing (See step 202 in Fig 2), which was created by drawing creation means; an input means [i.e. "a symmetry axis input unit"; 12] for inputting symmetrical part information [i.e. "data of symmetry axis"] that indicated part that corresponds to parent drawing and a part that has left right symmetry (See step 203 in Fig 2); a management information database for storing drawing related information and symmetrical part information ["data of symmetry axis"]; a data conversion means for converting data format of parent drawing that is stored by drawing creation system database [20-22]; a data conversion database for storing parent drawing whose data format has been converted by data conversion means [20-22]; a correlation means for correlating parent drawing, drawing related information and symmetrical part information by taking [ID information] of parent drawing that corresponds to part to which a first specified ID code has been added as new ID information, and attaching this ID information to drawing related information that corresponds to part; and by taking ID information of parent drawing that correspond to part to which a second specified ID code has been added as new ID information, and attaching this ID information to symmetrical part information that corresponds to parent drawing; a drawing search database for converting data format of parent drawing, drawing related information and symmetrical part information ["symmetric data"] from decimal to hexadecimal information and storing; [a search means for searching parent

drawing of part that corresponds to ID information, drawing related information that is correlated with parent drawing, and symmetrical part information that is correlated with parent drawing from drawing search database, when there is an instruction by way of a specified terminal to search for a drawing that corresponds to the ID information of a specified part; and a printing means for printing the search results of search means.]

Saito does not specifically disclose that utilizing of a specified ID code to represent drawing related information. However, such limitation is shown in the teaching of Nomizu. [i.e. 'adding identification code into image information'] (See col 4 line 25-43, col 10 line 7-22) It would have been obvious to one skilled in the art to incorporate the teaching of Nomizu into the teaching of Saito, in order to represent different image information with improved image data format, thereby achieving highly efficient data coding at low cost, as such improvement is also advantageously desirable in the teaching of Saito for representing different type of graphic data with optimized manner.

Also, the combination of Saito and Nomizu do not explicitly the search means for searching parent drawing of part with ID information. However, such limitation is shown in the teaching of Tong. [i.e. 'method and system for searching a database for the drawing number associated with the part name and Id'] (See Fig 8, Abstract, [18],[20],[32],[34]) It would have been obvious to one skilled in the art to incorporate the teaching of Tong into the teaching of Saito and Nomizu, in order to retrieve the proper

part image with accuracy, as such improvement is also advantageously desirable in the teaching of Saito for displaying properly arranged graphics with optimized manner.

### ***Response to Arguments/Amendments***

Applicant's arguments with respect to claim 5 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action. Any inquiry concerning this

Art Unit: 2672

communication or earlier communications from the examiner should be directed to Daniel J. Chung whose telephone number is (571) 272-7657. He can normally be reached Monday-Thursday and alternate Fridays from 7:30am- 5:00pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael, Razavi, can be reached at (571) 272-7664.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

**571-273-8300 (Central fax)**

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

djc  
July 14, 2005

  
**MICHAEL RAZAVI**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2600**